I. Effect of Neurological Disorders on the EEG  20%
   A. CNS infections
   B. Psychiatric disorders
   C. Seizures, epileptic syndromes and classifications
   D. Toxic and metabolic disorders
   E. Tumors
   F. Vascular disease
   G. Degenerative diseases
   H. Headaches
   I. Neuropathology
   J. Head trauma

II. Considerations in the Recording  10%
   A. Communication with patient
   B. Age-specific considerations
   C. Contraindications to activation
   D. Effects of medications on recording and patients
   E. Coma and altered mental status
   F. Managing clinical events
   G. Infection control
   H. Basic cardiac rhythms

III. EEG Recording and Pattern Recognition  40%
   A. Documentation
   B. Correlating patient behaviors
   C. Normal adult EEG
   D. Normal pediatric EEG
   E. Normal neonatal EEG
   F. Abnormal EEG (Adult/Pediatric)
   G. Montage selection
   H. Localization and polarity
   I. Activation techniques
   J. Identifying and correlating artifacts
   K. Troubleshooting
   L. Normal variants
   M. Sleep patterns
   N. Correlation of history with specific EEG patterns (breech, JCD, etc.)

IV. Modification of Recording Strategy 30%
   A. Electrographic correlates
   B. Selection of recording and parameters
   C. Use of filters
   D. ECI recordings and guidelines
   E. Waveform analysis and identification
   F. Measurements of frequency, voltage and duration.
   G. Monitoring techniques
   H. Identifying clinical events
   I. Non-standard montages and electrode placements
   J. Non-standard activation procedures

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